

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/910,208B
Source: 1FW16
Date Processed by STIC: 12/22/04

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/22/2004

PATENT APPLICATION: US/09/910,208B

TIME: 16:46:26

Input Set : N:\AMC\I910208b.raw

Output Set: N:\CRF4\12222004\I910208B.raw

1 <110> APPLICANT: Hitomi, Jiro
 2 Yamamura, Tokujiro
 3 Kimura, Tatsuji
 4 Yamaguchi, Ken
 5 <120> TITLE OF INVENTION: Novel Calcium-Binding Proteins
 6 <130> FILE REFERENCE: MM4454
 C--> 7 <140> CURRENT APPLICATION NUMBER: US/09/910,208B
 8 <141> CURRENT FILING DATE: 2001-07-20
 9 <160> NUMBER OF SEQ ID NOS: 18
 10 <170> SOFTWARE: PatentIn version 3.2
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 429
 14 <212> TYPE: DNA
 15 <213> ORGANISM: calcium-binding protein
 16 <220> FEATURE:
 17 <221> NAME/KEY: exon
 18 <222> LOCATION: (48)..(323)
 19 <223> OTHER INFORMATION: Amino acid sequence of calcium-binding protein from bovine
 20 amniotic fluid
 21 <400> SEQUENCE: 1
 22 ctggcattcc acacttctgt gcagaggggt gaacgtagtt tggtaaa atg act aag 56
 23 Met Thr Lys
 24 1
 25 ctg gaa gat cac ctg gag gga atc atc aac atc ttc cac cag tac tcc 104
 26 Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln Tyr Ser
 27 5 10 15
 28 gtt cgg gtg ggg cat ttc gac acc ctc aac aag cgt gag ctg aag cag 152
 29 Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys Gln
 30 20 25 30 35
 31 ctg atc aca aag gaa ctt ccc aaa acc ctc cag aac acc aaa gat caa 200
 32 Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln
 33 40 45 50
 34 cct acc att gac aaa ata ttc caa gac ctg gat gcc gat aaa gac gga 248
 35 Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly
 36 55 60 65
 37 gcc gtc agc ttt gag gaa ttc gta gtc ctg gtg tcc agg gtg ctg aaa 296
 38 Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val Leu Lys
 39 70 75 80
 40 aca gcc cac ata gat atc cac aaa gag taggaagctc tttccagcaa 343
 41 Thr Ala His Ile Asp Ile His Lys Glu
 42 85 90
 43 tgtccccaag aagacttacc cttctcctcc ctgaggctgc cttacccgag ggaagagaga 403
 44 attaataaac gtactttggc aaagtt 429

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Input Set : N:\AMC\I910208b.raw

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46 <210> SEQ ID NO: 2
47 <211> LENGTH: 50
48 <212> TYPE: PRT
49 <213> ORGANISM: Bos taurus
50 <400> SEQUENCE: 2
51   Thr Lys Leu Glu His Leu Glu Gly Ile Ile Asn Ile Phe His Gln Tyr
52   1                               5                               10                               15
53   Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys
54                               20                               25                               30
55   Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp
56   35                               40                               45
57   Gln Pro
58   50
60 <210> SEQ ID NO: 3
61 <211> LENGTH: 8
62 <212> TYPE: PRT
63 <213> ORGANISM: Bos taurus
64 <400> SEQUENCE: 3
65   Ile Phe Gln Asp Leu Asp Ala Asp
66   1                               5
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 12
70 <212> TYPE: PRT
71 <213> ORGANISM: Bos taurus
72 <400> SEQUENCE: 4
73   Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu
74   1                               5                               10
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 9
78 <212> TYPE: PRT
79 <213> ORGANISM: Bos taurus
80 <400> SEQUENCE: 5
81   Thr Ala His Ile Asp Ile His Lys Glu
82   1                               5
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 31
86 <212> TYPE: PRT
87 <213> ORGANISM: Bos taurus
88 <400> SEQUENCE: 6
89   Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln Pro Thr Ile Asp Lys
90   1                               5                               10                               15
91   Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly Ala Val Ser Phe
92   20                               25                               30
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 20
96 <212> TYPE: PRT
97 <213> ORGANISM: Bos taurus
98 <400> SEQUENCE: 7
99   Glu Phe Val Val Leu Val Ser Arg Val Leu Lys Arg Ala His Ile Asp

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100	1	5	10	15
101	Ile His Lys Glu			
102	20			
104	<210> SEQ ID NO: 8			
105	<211> LENGTH: 20			
106	<212> TYPE: DNA			
107	<213> ORGANISM: artificial			
108	<220> FEATURE:			
109	<223> OTHER INFORMATION: sense primer			
110	<220> FEATURE:			
111	<221> NAME/KEY: misc_feature			
112	<222> LOCATION: (3)..(3)			
113	<223> OTHER INFORMATION: n is a, c, g, or t			
114	<220> FEATURE:			
115	<221> NAME/KEY: misc_feature			
116	<222> LOCATION: (15)..(15)			
117	<223> OTHER INFORMATION: n is a, c, g, or t			
118	<400> SEQUENCE: 8			
W--> 119	ttngargayc ayytngargg			20
121	<210> SEQ ID NO: 9			
122	<211> LENGTH: 20			
123	<212> TYPE: DNA			
124	<213> ORGANISM: artificial			
125	<220> FEATURE:			
126	<223> OTHER INFORMATION: antisense primer			
127	<220> FEATURE:			
128	<221> NAME/KEY: misc_feature			
129	<222> LOCATION: (18)..(18)			
130	<223> OTHER INFORMATION: n is a, c, g, or t			
131	<400> SEQUENCE: 9			
W--> 132	ttrtgdatrt cdatrtgngc			20
134	<210> SEQ ID NO: 10			
135	<211> LENGTH: 23			
136	<212> TYPE: DNA			
137	<213> ORGANISM: artificial			
138	<220> FEATURE:			
139	<223> OTHER INFORMATION: forward primer			
140	<400> SEQUENCE: 10			
141	ggtggcacga ctctggagc ccg			23
143	<210> SEQ ID NO: 11			
144	<211> LENGTH: 24			
145	<212> TYPE: DNA			
146	<213> ORGANISM: artificial			
147	<220> FEATURE:			
148	<223> OTHER INFORMATION: reverse primer			
149	<400> SEQUENCE: 11			
150	ttgacaccag accaactggt aatg			24
152	<210> SEQ ID NO: 12			
153	<211> LENGTH: 440			

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154 <212> TYPE: DNA
155 <213> ORGANISM: humab calcium-binding protein
156 <220> FEATURE:
157 <221> NAME/KEY: exon
158 <222> LOCATION: (22)..(297)
159 <223> OTHER INFORMATION: Deduced amino acid sequence for human calcium-binding
protein.
160 <400> SEQUENCE: 12
161      ggttaacatt aggctgggaa g atg aca aaa ctt gaa gag cat ctg gag gga      51
162                               Met Thr Lys Leu Glu Glu His Leu Glu Gly
163                               1          5          10
164      att gtc aat atc ttc cac caa tac tca gtt cgg aag ggg cat ttt gac      99
165      Ile Val Asn Ile Phe His Gln Tyr Ser Val Arg Lys Gly His Phe Asp
166                               15          20          25
167      acc ctc tct aag ggt gag ctg aag cag ctg ctt aca aag gag ctt gca      147
168      Thr Leu Ser Lys Gly Glu Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala
169                               30          35          40
170      aac acc atc aag aat atc aaa gat aaa gct gtc att gat gaa ata ttc      195
171      Asn Thr Ile Lys Asn Ile Lys Asp Lys Ala Val Ile Asp Glu Ile Phe
172                               45          50          55
173      caa ggc ctg gat gct aat caa gat gaa cag gtc gac ttt caa gaa ttc      243
174      Gln Gly Leu Asp Ala Asn Gln Asp Glu Gln Val Asp Phe Gln Glu Phe
175      60          65          70
176      ata tcc ctg gta gcc att gcg ctg aag gct gcc cat tac cac acc cac      291
177      Ile Ser Leu Val Ala Ile Ala Leu Lys Ala Ala His Tyr His Thr His
178      75          80          85          90
179      aaa gag taggtagctc tctgaagctt tttacccagc aatgtcctca atgaggggtct      347
180      Lys Glu
181      tttctttccc tcaccaaacc ccagccttgc ccgtggggag taagagttaa taaacacact      407
182      cacgaaaagt taaaaaaaaa aaaaaaaaaat tct      440
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 20
186 <212> TYPE: DNA
187 <213> ORGANISM: artificial
188 <220> FEATURE:
189 <223> OTHER INFORMATION: sense primer
190 <400> SEQUENCE: 13
191      actatcaaca tcttccacca      20
193 <210> SEQ ID NO: 14
194 <211> LENGTH: 20
195 <212> TYPE: DNA
196 <213> ORGANISM: artificial
197 <220> FEATURE:
198 <223> OTHER INFORMATION: antisense primer
199 <400> SEQUENCE: 14
200      tctttatcgg catccaggtc      20
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 15
204 <212> TYPE: DNA
205 <213> ORGANISM: artificial

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Input Set : N:\AMC\I910208b.raw

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206 <220> FEATURE:
207 <223> OTHER INFORMATION: primer PMN.HP7S 1-15
208 <400> SEQUENCE: 15
209 tactcagttc ggaag 15
211 <210> SEQ ID NO: 16
212 <211> LENGTH: 15
213 <212> TYPE: DNA
214 <213> ORGANISM: artificial
215 <220> FEATURE:
216 <223> OTHER INFORMATION: primer PMN.HP7A 126-112
217 <400> SEQUENCE: 16
218 ttggaatatt tcatac 15
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 20
222 <212> TYPE: DNA
223 <213> ORGANISM: artificial
224 <220> FEATURE:
225 <223> OTHER INFORMATION: primer HP7S 7-26
226 <400> SEQUENCE: 17
227 acattaggct gggaagatga 20
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 20
231 <212> TYPE: DNA
232 <213> ORGANISM: artificial
233 <220> FEATURE:
234 <223> OTHER INFORMATION: primer HP7A 336-317
235 <400> SEQUENCE: 18
236 ggacattgct gggtaaaaag 20

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 3,15

Seq#:9; N Pos. 18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 19

Seq#:12; Line(s) 159

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:8,9,10,11,13,14,15,16,17,18

VERIFICATION SUMMARY

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L:7 M:270 C: Current Application Number differs, Wrong Format

L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0